Roadway of Wielly Sice Top 1/1

Trop the number of Alex property of the second of the seco



=	.0	1		.3	4	5	, F3	7	.5	.9	300	ı
		- 1	Netmoc	e out fi	rom, Šie	or St	noulde	Stake			-	ŀ
			0.3 0.3 4.5 9.3 10.1 13.5 15.5 10.1 13.5 15.5 16.5 17.5 18.5 18.5 18.5 18.5 18.5 18.5 18.5 18	0.5 0.5 0.5 0.5 0.5 0.5 11.5 12.5 13.5 14.5 15.5 16.5	0.5 3.6 5.1 9.5 16 1	-		1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1		1.4 1.4 1.4 1.5 1.4 1.5 1.4 1.5 1.4 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	18 19 20 21 20 21	

Mr. chambers

Street tech

Stre

clevid

2/11-11

Retain the Rain WEATHERPROOF

o product of

J. L. DARLING CORPORATION

TACOMA, WASHINGTON 98421 U.S.A.

Jahvary 4th 1984 Kockland Feeding station 830-1230 Wolked down poth below House that source in all rock but + durab through a vally to an old quilly. ~ 3km? Roll such Bruth 2nd growth Limotine forest 30-40' tell. But much at it is elected brock from the road. On the Li, but I bustuncked more -9017 up on hills. it Ly there I saw the only Worm-eating Warbler = 25'up - b+ only ornetty es it is alors chopy to my pishing + left. Ruddy Que: 1Dour

Ruddy Quail Down White-crowned Pigeon White-wired Dove Jenaica Minjo Strenecto. 1 Jamailan Becard Lospirhica horripires. Greeker British Elsenice Jeneilar postpelle Cora Jamaina White ente VIII Accounted the boles したけて一つからかい Orange it Imation Tody Jamilia brote of maria Courte Browner Bullines Siffica for the Stipe heeter Tray Charter in the Jiminent-phonix Piellow-Crowned Eleiner Complin Elienia

Yellon Ecros 2(2) 101/0/4

Mellow. Thouldand Company

Porula Wilblet

B+W wirbler

American Redistort 23.739

Block-throated Bloc wibber 53.49

Profince wibber

Warn-enting Wirbler

The Arrow hoded wibbs wir

The Arrow hoded wibbs wir

The forest understory-relating

deliberate (compered to the Elfin

wood worther). Fire one

check 5-7 died laves -but bo

Eglian last bottom?

230-530

Th. Necd buch down into

lead behind Rochlish Add up a

track to old horse sites.

Alors road - in frast eight I

sime 2 Arrow-haded wirblers, a

of Black-throated Bile of 2

Tellowthroats.

I bullwarded alors the

torested slope - e sen a

**Worker - bounds how & probe ato
a live circal lat 10' up = 30'
forces (6' long lact). It

I hiked - Lynood Rood &
down the wind out roid behind
her house thed little love,

Accounted a complex vis in desse distinct Chique - it wis prying bill between Iceris

January J 830 - 1200 FILT RIVE Estates All Forst Frest let me felk about the wormers I sow one in a esoluted broug lat tac now the edge of the forst - It was soliting in all Capital of the wind - it had a 7 mm good in bill. I got know form det ont. The 2 sol ws will into forest or ridictop- 25'up- no forsdite

(2) 201 1+10 1 10 1. 1 Co. 5+30 3 (----A L. L. 130-330 Jinus J I Sin Liter Sport Time Las check and out very day limestone fills after fair We it is a limit to the second of the second forest at Nesril along Road bryand the lubthowic. "The "suil" we pure linestone bidrock - the tres 1.5- 1 1 1 1 -1' minty microfolius - with some polareto undosta to becaused The state of the s Unc-tingles -Residents induced white-eyed byou J. Desle 1. ~ - 1. - 5 5 60 Bullfirch icedeaser Avist compt in Si he could for our 100 million 100 mi Min Allendar But many thre wire somell mited species beads of weekles would 12 W. 2=; 4 = 13 consist of Book Redstort & Peoplea remper of ourbird, we do seen I wormer (next page).

10 20 4 Bon, No 1131 3 30 5-07 it has the 50 100 1-2 in 100 100 100 . 500) 100 Canthoparts : 100 @100 100 1000 60 100 10) (13mm the sport 16 100 70 100

20 Jackey 1 b 100 tot Bon mirk 16 . 100 2 mm "m-1:1" 100 50 100 4 x 2mm spicers 1/2 103 (2 + 1mm hony tymph, (seu.) 16 2002 Jan the sports 100- (1mm 111- 1por 16) 100 300 +h. 20. 4 1/2 50 (2+3mm sp. v 313) 20 5+2 malenys 2 mm mont | b 3212 つか 100 9x3mnhora in Amora in 100

(Morning of) and 5th introval os it oigidly left. It wis in cosocietion with Brulow, a Redstort & Demention LE U.r.o. Hbo on this Like I hid 3 of so peris of from-headed woldlies - which deed lat probe 2 20% of the time (all small y" ((()() \$1-30'Up.). 2 ml. te-eyed bread "Tallow (roward Eleenic (Frut col) demotion 6 note 6 S. Laded Terger 4 Bullfird Ouc-bird 3-4 Bth hobber 3-4 Redstert 29 Munita Wabler 19 ia foccit Stold Philler Bolested Aprilians

Jimilia Woodpiller 2

100 9. une 6 810 - 130 50 Wody (00) t hiked short ut to the 56. Old Salmon Holmsteck thin a Scronischert cat to Anchory Main Road. I then hiked a road 100 post secondary school into hills but tura little ruis ble forest 103 so I returned to short et from Man Road to honoted. 2002 This marning I say by Warmers at all 7 sew 5-6 28 + 29 BTB WHED - 411 Worder 100 301. tery (N.Th other species) 29 1 B Redstort (all solitary) 100 g Jameican Bound Sevical G. Antillia Porces 75 f. withed Hilloch tops & slages Ohyach I som i prot 100 Allowheeded Weibles - 1 lbglen x 2.

Loyland Road below the
house one slope has
luturent forest - with laser dress a

10-50' lendy L 2 dry stran bies)
wind was up & I saw few
bids. (Roddy Quell boxs)

I see 2-3 B+W was bless
3 Durbirds, Q BT Blue waster

Yallow that 3 + Reistert S.

Jo		Live insut (insu)		
		Libratore Forest - dy	35.	27 Innthis grange
	30	2+ 2 mn sp. durs (sicin) LD Imm hurphan 1/0	500	Imr gers of 1P
/0 i				5mm - 1 sp 1-1/2.
Sol		3 mn yellor Blacksparls Jan this spide sie: Lb	-60-	2 ma spice 1 b
יסו		2m. gra sgior b	80	
101	*	3mm sp. dr 1)	38	
10 4	5	Zmn gmn homp Ib	50	Jans spring 1+
) 10				2 mn spileis 3, b 3 mn spileis 3, b
10 17.		2 × 2 mm gen sprey Dy	50	3mv sp. (~ 1)
4		James this year south	40	
			100	

+ 130 3mm would temp 16 3mm 17 m sp, cv 17 10 3mn 2010 18 100, 2m bl. 1 - gelle ged 16 100 kgmm spider 16 Binthin seen opier 11 10 100 -. 4mm gran sport 18 100 3 major 16 100 4mm sp. or 10 Inm beetle 16 185 3mn sp. cr it 100 2 × 3 mn > p, c, 1 } #mn this dinh spatelle Total Prey Gerand 650 32 spiders 195,000 0 10 2 mn bril por on 10212 3 horos 1 chr. 1 balle 14/1,000 8/1,000/000 leaves 95% spidis! 133/3-12 [75) o (b) (500

: Ity he had no way out - m 14 1 10 - 1 7 1 2 3 12 3 mn -12 -12 -1 J2L. 19 200 20 7 MI COLD 50 2m -20 50 = = 0 - 2 Try I - if 1

Deut Louis - Dimple 2 27778 778 ~ 0 Dilloning - Rolling Bon weget hay 100 i compi 11 50 2 .50 12.202-1 37- 20-7 17.0 Ve - Barrier 100 . . 7

5-66 The wind Carine 5 11 1.

Sonc 7 womer prezy a ethornoung
Rockland feeding Station

I worked wood slope helow

I to most of station. De I !

Siw fee workers in the woods
no workers all by 2-3 Reductions

i & + 19 & BTB, 2-3 Bull there is

I mostly in their 4 counted looks.

June 8- Windust Caus acce

830 - 300.

I hiked treat into Eschapt

country The tools into it

the bise of the Hillows &

eventually up a give & clos; the

side of a Hillow Earth Hillow

I till intel hindre fact)

of Imentioned with a bistock

of Imentioned himston tales

making welking very tracherous.

Allow we undistribed

- I work fourt - 45-50 - open

undustry, Mary smill & medin Directions - time distruipence -Him anded haves At the edge of each H. lock We a stde, lot vira visitation Which courted trues to continued - holds of deed loves. Her I Sur mont bred including Worm-ecting worbless. - re first wurm-coller was infet, the first & rd = 200 30 pt es vous - dumper quely long a Rister! The 2 med bithing a liet dewrof Mike a trace - it then there into denic + vig vistor to fed from 5 shell denteres. Go well is gen at a twing. Fit will with D. W. E. viro, Ridotert & so paule wibis.

The third Worm-eating Whibles o power bout's 100- 10 in deale un tyles et bise at 17.11 ock. I dimbici a Hillock + six Ar hinds (Jody crows, director woodpille). The trail than I go a gorice 101 0- but 5 das of 40-60' toos impossion were visite trong In a 1/2 km Stretch I sin 4 worm-city Att die I Got foreging duty on 3 of them. CHrit milles 6 individuals ~ 27 orancuers) The worms public into the end by hong a lotouter hubble upoide down alternative 514, polation in the lives for Yellowed of hen In loss. other birds died hit former as will. Film a hombir of B-La washes - f wit were one probed into died lines whin

Thurs I'm described decolar propers as well as BTB

239 BTB

4-5 Parlas

6 Brandons

Tyellanthrouts

1 Jumes

1 Jumes

the old than I som 2-3 pro

of Arrowheded Whos (is

classe very conjon)

2 Blue Manna Mreos

2 Chestratically lecitors

I some firm at Porners

faming in.

The Lest for winners

were hosely experienced with

highlar groups in area

They i-prise me how first

in 18 - Herdware Cap, Blue Mtns.

Aiter spending most of a day
figuring out what to do about
soaked binoculars. I minist
to get rate the field 345-6:00pm.
I want on several of the shorter
trois on the Hollywood Gorden
proper. The trois treverse proches of
infect forwart of elected areas oxygenwith ferns.

The most common myrat I Sow was Black-throated Blue Worbler

Of which I sow several gg: (I

sow a very time 3 - which hissout

ner the porche, to the cobins - it

blows Weaphobic pretty body - it

(The up next to me & ale som

Beauce.

I see social B+w, & Orabird, ~.

L facula,

Common products include - whitehout think,

White equal think (2), a whiste in

the events that I fall to be

Reform through Jolitaria

Riffing La Stripe - budget terry

Dange - 9-14

Beneragait

Yellow The lived Granguit

Whise eyed Uricu

Acrow the edd bubber (a few)

Jonvery 11

I hiked on the ay local trills

In the Hollywood lord, \$645-1030

from 1100-900 I went op the

ridge coress the enan road to

Loodenters Gep

I saw to be For on the

local 1-min to trail. On I saw

briefly - it retted to del from leach,
the Strong I saw after I wide of

into trait underswith & stood quiety
It the sam Thy in I got

a lot of forming data on -lope

prohy at old fronds, littling dead

form lives to prohy at dead certed

fives (c-,ht-p at the base of the plats

T some 3-4 Black-throater Black

Both LEW were soliters

2 overberds, l'yellouthrock ho Ridstards.

the treat up to Woodertkis

600 goes think forest all the

Way It & miles. or so.

I sow 2 poirs of Neosper

Cyou can hear than tosing it

Chiphyles - one finished with an

Priphyle + dog around at both

I also saw a (rished form) Done a

O Sometican Lizard (ochoos

On the Work I sin prhouse 6 7 B. T. Block (all 99s!) 3-4
Brunables, a relluttract to a

2 June 12 - 12 - 1 ch -1 the way book I sow a 11-1 11-11 Swannon Washler land brickly to SI- MARI tolly in the troil, Now, as for workers. I get 9000 looks 9+ 3- b-1 foregry dete backs (1 minus) 0only on ? 2- others. duck 30/ & 10' up: in. Kinopy" 50 thus t done down immedial, 3 mm green in or 10 I'm pecty within I have - m li equipment of the second of sew fluky of 2+3 more. 2mm map 13 CTHE superfield supt hotel such tibe distache - like Mily & Rascoe. JAN 18 2 JACTER This. b.t, Mc of to 19 WEW (b-1 deta on only 9) ? a senglisting 4. ma I will try the tail again tomorrow. 5 min your Kel- Congression De la significant Barn sa Mi ibus

80	
50 im a con speciel	
	(10)
30	
	86 -3mn gran sprovib
60 4mn Mesen speculo	
50	145 2 mm str. sport
1500	2555
60 3mn vec sp 16	
2 mm !! !!!	
120 ?mn 124 m	+2.0
100	
50	20
10-27 thm 4.21- 11-17	1. 120 3mn som 12
	. 80
	3670
	40
	21/6/00

January 12 - Herdwar Gop- Jamaica

700-1800

I Liked up reduce trail to woodented

Aup 700-1200 & went beyond on

tout to retherne fick for enother here.

The fug come is so I stoped insect

consump in the wy buck. I

come beck by a tout from

Woodenters Gop to Green Hill.

On the h.ke I sow no list then

25 Block to white weeklers, b.t. only

2-3 q B.T.Bs. The slope of

the reduce towards Creen H.II is

diecely shubbling & in the cree

when the tr. I goes through

Wet shubbery I saw 3-4 own book.

Cf the chapters 2 Telluthrits in

the fran Banks).

In cad. hum I had a color & a

-19" Redstort.

I'm getting a bit confused
about Swamson a Winnerly
Wilders-both have loved

explosive chips a the repeted sect sect sect. I cityelly saw I workers & 4-5 Swarrows today with a 10-ple of unidentified land chippes. The Sweinson's rome out buildy to pulling to sit on logs now the trail looks at mi. - b-t of course I have see them Forege.

I tond the women being by lastening for the Plani hotes. I got Foregis deta on 3 wormers (all this is This first we prohy it deed - list or fin last - the oth 3 on the "brekerick of the mountain chickel many two if birkes a a waph of smill lives. only 1 of the the cooking had with other bids. As usual they trava grows + drapped

20 min 13 1. Manie 11. To the contract of the contrac que into industry upon distorbered herernize to be Sich. I she scored Casted qual pours 2 of the Robon - throuted & Solitical -100 a limiten unde (bick stopping) Lots of Arrow-hided nibber, & W. C. Thronker, Judice, & J. L. Ezed 0 V11163. 1001

40 - 4mn gri- sprov 12 trye , 7 90 By Sidliky, 2mm 30 100 1700 80 60

Jerus - 3- 1- 1233 ware 600 It will a melal. dream day the + following in wind, nints Mist come a fortunt. I would 2.00 when for pared on I read in the limit of more しいいいい ナ レニーレア か 十二 top (wood the) top). The ingetitue we very wit k Ida - war gressie trails Busically I inv be WEW. I sim fine bud in accord (I-6 N+4 6 1/2) 14 BTG) B + I du 11. 4. to = fil (5-6) Instruct worblers

Jerussy 14 - Hidum 6p

I worked up some trol.

At bisnor of trol (b)

Just brygged Prog 61.10

I chiefed hid life swyle.

La y acres Line - 12 acres quire with the observe from Loo m to limpula con Trivice The roll, include that have see somall & have relatively for arthropodices well for born blu up I conserved b'-our One - 1 = 1 = 1 5- W 5- 6 Julian Lu-16015. 1 Dunhard 2 Royalists & 3 - 10 to tem ? Will esting しいい. ここといいい on I of them the fine (che too) where is the third was a wife of the contraction existing per sections She contlar. I'm - - rd lackbo I 1.f. 4 2:00 (700-2:00) to the beat of Big Ma Bert Buy

JUNULA IT. I wint to the in -dolor Extras 7 5- 1245. It was not a may be by son to read us I litt. I becat to soul of smill road -6) on my hot trip - bit I welked a sufferent trail while the best has districted dustrus bei die villetina es well as pad neture forest. I ford 9 WEW- oll 1. + 1 week - edge 1 - 7. -, -Just one has again time icong of till from Cutill non J'm distribundi sic top treaserate for more no est. In addition to the Murmers I vin 4-5 Dunbird, 6-7 Paula Markers 15 Bhrinhe Wo, bles , 5 + 3 9 BTBs 2 Routets, 4 F Tell_-1-trouts

Devilent Samples collected カインラレ On trail to Catherinas Pech I cha con Att has firets, January 14 1984 - clear-to & destrict the training (- her m, sty 800° 1:00 pm in a be in intil the tem) + Semple 1 linuary 16. 730-1230 Unacher land Arge. On the brip - pilked at Window Grict Foust I willing to 1 Toward live - 1+ - " be the day to The first bed I Such i hat tonit polyte my in her the tral Front Man (which I am visit) the wint along a lite in ording, bid Inscrts forest parished, along in english. lis em cricket Fen-10 4 1 3 Not -at. the ist will ? 4 macrichet git int a ville at home Ica cohopiler (f-g) 3nn }by ming in 1 the it who bires 2nm spelot Gray lens/100 Unneralet (cos) Semple 2 S. 20 3 Insuchs 3 mm coach 3mm spor . 4 mm herepter. 2 x 2 min her sills 2mn spor I'm a crichet 4 prog. 10 m/100 (000) 101111 I lam croule I'm ruch 4 ma Gracht 3 mm: pier 3 × 3 mm (Ampha 3mm wee-il 3mn Crichel Immirichet 2+ Lumspieler 3mm lervee? 8/10/10 (a)

Sample 4 Saple 5 CH. (n)(1) Smr Cache Gmn-4 mh kacchonpl 7mm selver find 3 mn Spider 7 mm Wesp 3mm courset then crulel 7mm Cr. Wet 8mm werp 2mn spiles 2mm lace? pay

Jummy Herdwice Gup June 15 15 Total proj I got since die an all house 4.8/100/12-6) 1200 T sew 66. + 10-12 B+Ww. 660 3 Pall BTB 2 Telleuthouts, 2 our bing. 2 Richt. 10 tel extropod 8 8 14 8 4 2 KI OF4. 9. Intersity Road at inclose. 1530/00/ences 2,2 5,5) Reford fluitibes Cubic Cetraller 1 1 1 000 20 party 1. 1 king bird) L. B 1-choos Derive - 6,1110 Privoto (2,0 -3 Spicher, 1, 2, 3, 1, 1 Floris De Buerd Blee Mt-1.6/100 (000) Visca While-eged Thrish 1111 (0, Up. L ton 10 12 170

OLIVE FOLIGE 1/1= · Cockp. L 16-nty 2mn 1 . 4 17 Forest land 40 24 2mm som epocht 105 2 m ge = 5. V 15 55 (4 mm such spice 16) 200 60 1170 SU Thin this spick 16 40 70 3 mm prov 12 Vinn gersquerb 100 60 60

Vine tigle 2mable.lsp.clv1b To Imasport sin-100 80 160 (Amm but spice 1+) 100 -2 x imm sp.c.s its 85 80 Amm gran hang omp 1900 200 500] - Inn the spill) mager lift por 1 b) · 1:0 dan coult pynost 10 dmn gran handeren 10 110 You the spirit 1000

130 15+ vegind whenps in next	1(0
160	20
100	
1232	
1. 100 3mm sile spilling	
140 - 3mm Jain hemprin 12	
16 3 x 3mn himp 16) Wir O tortone dans	
70 3mn horinib	
200	
2080	
50	
13/	
2500)	
23	

Roc, Brook (Shon Felono 16. 40 Imn sp.cr 1 200 4060 60 100 T 3mn H- 10-44 100 · Ihn ridt selliuspie 17 (Ann sperit 3040 200 100 100 100 Omnyrch spor 15 100 (Umn the give to 150 110 150 3630 2 mm (a m) g (+ ()) | b 9mm th - 20-3/16 3 mn sawspor 100 3m white up. 1. hours 160 30 25 16 (1-15,000 122)

Cockpt inning from Lances lime they be 12-m 12-17-17-17 liner, hi I marchant in the state つかいうかいし 9 x 3 xm 30 x1 Banker. Le 2mherry 3 mainulal 3mmm 8, - Ceranis 3 y war in 10 2114 1. Fin whet 1 I can moth 10 -11/ Strans recharge Um and CI + Smm p. del 2 × 2 mn-guller 3Rm Emmiricall The same Ima 18.2

Lockfit (conty for 1 Love) # -1 · 272 : 10 ((,),) & lere 201 12 (aryon? 2 12-11interto -- in late Ica rock 6 mm unilet To men rosely Loca Kills 3 Janenel (5-m Valid) (24 lunspiter) - Iron moth 3 24. 8 mm berile. Climm-pirer Jann St 3mm ruch - Imm Spill "Mantrik" 10-000 Zyynn met 4mnanut) Bunsen 3maspall 7-1-1 Jenn well 3 min rechrigh 2 m rich 色 Tion in Franch 2mnsp.v Jan man Smrrub) Bun But my Zmnruch

(chot londy Cuclip. + Icanta 5% mple sample James innip. ei 13 angel 3min-poly gram crebb 2mnga 1 eta dectie (Icm chicket Inh Laguer 6 min deck .7 mortonich 2 mn poll (3mmruch (3mm ruch) Symproch. Binnied gan spider (Bonaspider) 2 maspider 3 mabreta sking 3mn inspect 0

Sample 7 January & Nodata * Pouland we we with the little - nouse Pla Rivie Batita 2017 wEW- no dita. Ruth 1/1 10 - 1 ×1 - 1 is op == >0 +12. m-Junuary 7 - Wasser lives lating 166 Night bires 1 100 3 4 1.40 = 1 - 1 · N.C 3 devilored here Clum Enhad

5. - tepse - -- in-7. O. ... 1 - Ja Trans 5 p.ik. ... 10 384" . 1 - 1 1/2. 1 prote die Lit fil day in 230, wi poh nh 7-7 5 de l'onte d'incer ingille Historia Go 1. Tr. 1 10. m, + 287/25 M. E 6. procentiale) 3' forter PLC 3' Ding for 1 - + 3 - hong dann 3 \$0" (-t-d- 210-) 41. WUI = 10 366 histpoke Del- Franci 2 Pota Frank Sickery Fisher try 3/25 Tecleralin - 3" I someways
heightree "" 3" 3" 1 +1 . 3 . 4 - 1 1 : 1 2 4 4 4 in the true to public f x - 20 sh 11 10' F. 4 76. 1 3 Pern to the truck of the truck has open down 3 In-01 = 3 3 5 h +1 h 113 fl s Pin For Truck - 10 & Arrive! it with our process to the (Deurch 1) Trail or Kond willy Printon Floky 1610 + 19:17

Confrond. 3 20/25 ro foregino Place Genine (non good) 7 10/2- 1cm -p. 4 c= 10-11-11 len hout goodin 3, 97 (1860 3.800) 1 cm twit ship PI 4 th shit ret (B=1001 - 100 bys: 11 2 5 1 5 3. JENN-14 12 + 1-18 - 12 (40 (10 MILL) + 10 GLD) Pres 1 = 32 six up. le dun & PCL poke I Arten da probe di sin 1 = [nine! Deed finder - hims gook poke 23/35 mi 1 30 - + (1-) 3.1 Por From poke 1 DCC (3') 0.11C DCT 31 DING 2, 25/ 62 2 1: - +1120 ich. we The top. Dri 3, vinc 11 - 20 + 1 1113 11 1112 Truck - 3h shot it (free feinbred = 1 Brumbler hing dutar pine par property of the provide 14, 11 30 water 1000 might-11 [.n ~).. t. cc to it w. j) Trul in hillard = 15366 Drag field first 3 th and word . + 100 600 11. Harif JEt reftle has down ? 1 h , h , h . h A

25/35-40 to a clivni Pirse ut tra louse string it in prus Coribe du -1 . 230- 1 . 5 Brodudel in- Charles no Love her week stock there 3' was and or inf 3 , 16 () to st 2 smill to Copilation 17 3 thenes, puch a soil it father 25 5 丁 251十 アルトールルルとひ、十年 B. T. T. - VE plant - ne (D-outer 3 31-4-21 ... 6 - - 1 3 don or march - sink- 4 for him 0 - 1,22 Bit beild come in chappy to bot south [... . H. - A(1) - h - mile h. hw.) June 14 14 11 11 11 11 11 11 1. Pay 61 12 - 10, 11, 7 - 150 1001 J. 375 from a complete of one (1) x incomplete ¿ (u) . u ~

11 the wind of long par 1. Put - HI 11 10 + 8 - PEUL UN DUL 4 f'3 5 miles (10 Jup 062) 4 pm 2 Jours T' nu tur y my alext 3 Por 27/ lours 1/4 Ly i'm your for given D(1. 3" 3 5 (4) fred - " P. F. - - 3 . truel = 3 111 11 - + もってはり、193 東リハ あらとし 3h sh 3! . h ? } City of the state of the teach 5h, - 101 - 101 - 101 for a production 5h, h, L, vi, - = 11. 11 the prok att - + 100 c 3016

notice of one locate of one 1966 Cr. Lyund on Elice Viz p Viz 10ch ish is in a joint DL 5 p-1 har pour of the DCL Porte 111 & front of Judg Rith + firm + DLL ISER R. +46 & b - - - - - - 10 va Potti from top (lunia) 15000 phony alm - perh DCL - + ZOJCC chot chot the sure conte some that in inginary smiles freth to posite dans Ju Jh L De size = call his sermina per Der Der 11, 12 - 1h, +1, n- 2 30 1c. PIL 2 Property up inder 3' DLL 300 6 3 166 3 ... J' del heten hage = 50.10 Mir to the service when het to

1/17 transcript (out of orter) (1) 25 VT edy - sopen free Chylia, T= 5000 1' del garas 9 24 36 C 3 OCL ProbL 4' FUL Ly + probe 3sec. 3 ALL 3200 (2) - 3' PEL hor 4sec girle Brown Frank ning sidens hig 13 see THE 12 SEE (Showfer, sfl) 3' PCL Knows Bic 3' pil 3 sec pelle sh TVA ? T=7010 Brown Lit part 3500 5 lugina 10 sec 3 per han side 7 sec T= 4560.

TENSON Branding Pid Inco 5'sce has 3- purche 10'up la : Anny Tashah Gaca DCL park 3sec (Va-- hung 306-) ----デーラッとと PCL & 6 SEC 7 = 7362 3" DCL = 3 300 T= JSCK Vine prohity 2000 R'OLF OLIVER by Der 1800 Knich don United to 12 year of the 12 years

T-12.cc 2 DIL BOOK Wice. Porquetse 15 p - 1.10 h. Un crows (4) T=> sec Prasin tu, pur Lieber peer sec T= 4166 true tick bith puch lock 116 Pl-1 = 15SEC (Och isee peer Pigna; downt think folige T= 8314 2 PCL pull 251-5" fellowed "lucifit ion track op to it

Opa valoronia 0 per 1 OCL YUCC Production 3000 has in the denil 2 sec T= For 1000CC pico at love to ise T= 10 Sec Deresia (holy sind) - pour + Just 3 100 T= 5 866 pl. and 1-11-1 3 sin pro (+) h, wh 113' 10000 Pinh 4 Sic IL You = T horsdown thing made is a Twing bur Ji, ber i'ce T= 3366 his this 3, ber his port Z DCL Juck h= 2 + probe d-olar 5'PUL = 121a Tro-Lt hy ichays

T= sh fis looks nn. 20-4 1- = 25" f 3 x 3. DCL 3' 33CC OCL 3' 3.365 7=5.14 for at petrole et 1: 10000 The writer T = 3 30 poch the Pead on its of 3" Buch 8 d-12- hers of (greb. +) = 15 sec (6) D(L ho, -ps. lecture 3" 2300 DCL 1' 13CC す=3310 pode BEL 3' 4016 3 PCL - PONC 3 PCL him uprick dun 35Cc 3 PEL 3500 3 pr 6 2500 h-, de-3" DCL 2 516 9=p-

3" PCL 30CC oure & BLL bis upsicheliant pom Asige Dich! てきるう() Barried has police the sported on 2 sice 3 516 = 5 3' pch pine T-15 sec Chaplin p. 1 Fil 1116 J-3 Sec TOCK probe? T- Jh, Jh DCL 3' Y HE IN ZOUCE 17526 derli-T-15500 in a motion 7" Dec fred. 72 836prible France oil - 2" PCC 3 sec prom T-11/2 116 3 DIL 11-W MICC himsoft samed ski-ski-T= 13(C 1. - bil in = " I te'-, wo purched down 71/1. Folde home side 20000.

hereport dun J'ACL GJEC. (+) 7= 2366 B' Occ puch 2500 T= 3sec 1 pcc pech wice her upsulder 2' DCL (in 114) Ilvis pr 12 + 110 +? pho at by pic ? T=4.100 Friges Frierot William Golg Pull Terres + 2016 T- 10011 Pul 1 per 1311 て= 15016 Pich 4" DEL Ilsu Ly pour deal PCL 3' 4 p. 4 p. 5 566 7 = Z116 DUCE = 3" his + Et use (t) pul in both a life in when the L. M. ., Talsic pich 1 DLL ISC 3" PCL 1114 T- 431'pace of both 1' DEL 7 SEE 7=40)=6 TO DEL prik

I/IT window ecuc continucal Vij Dullet pirt to Parilivelier BI-Verie min T= 50CC pullune train (111) 7= 13(== Pullir h. Fha PCL GIL 1560 pily pel3" p((4" h) s. () = 125() firs ups. ul dour T=10-164 hij ups. h down DCC 4 100CC (4) retip portrale No Pon 5 FURIT 35' Poch of twy 3 sic T=20 p.h pic 3" 1566

upoin dem on brail - pill on twig T= 140 (C Pech et lietwij 17-112000 probe of but of b, desired loves? pribe 8-10' DCL. prob 4" pcl. bscc T= JJCC handen puch et el-su i'det Vipping at I'me - LDing Feel 60000 hand 8'1 DCL prihattop 5'1 DCL -1-sec prih 11-sw 31 pch 1000 has suns prob 3'pc6 - 90pc # 51,7 18 sic

11+ (Dintai 30-40/60-65 T- TSCC Prich 3" DIC 1)CC Ze Vine irridiraty - probe 1000 Pich s' DCL Isic (I) 10 sec Mai Vine pick Lice hing down & protect 5 sic hen operation 3:10ch T= 5 500 his dun probe pec 2001 (-6) 2r/00 func peck pcc 2" - iscs a remodere his, upsile don. Jon Paul from top 1200CC poch pcc 21 -151 procedure on side 20 / 50 Mud VT Solitez 5,(44) Anders per per (+?) chosed simily & rittich -p PCL7 puch fanbelow 1500 8 - 27 put 7=12300 Spect berk? 9 2 smill 3 pcL Taling him up, hd-a-nue 40' DUT p. . L c + v, ~ 1.10 1.19 p.- L = DCL 3'1 () ((.

T = 350 C pcc Dolle J. 1360 T = 1316 policy 4 to April bic hins working pich 3" per from belin Bec T=711 p-14-3" PCC 1311 Parlz'1 2CL T=10360 T=311C. ho, un h. then of love. lot i' +0.500 upsite don organil 1, htimp - dreaty in leat suiteur 11.62 Jo 10.6 tope () con promite it gip into en crecicio in lat (120)00

Juday, by 3" tree 4sec pull pch 4'? two - his upselding park - 2001 7-22 scc 4" PCL-h, simps 3000 ナンダンベン publisher 4" DEL 3.000 T=1000 hendern gipe into i DCL 3 sec T2101C. 30/ hy sporch down on destruction DUT 10 110 =T hy production on old bromelind Irit Join 1=2316 ho spill din on to Brinklical Front his sidy + pr. k PCL 7"-23CC D-12000 hos sauss on Brinehad frond Bock

WEW? Deheden Dels" Epphy & Medlerer 2100 2011 lasun Erohyu 010 G1941411111 = 18000C at his of Lyggially, FP. T' PCL p. h. n. b. 14 pun 3' DCL por et l'diniv brich T= 3016 per-ctty Isic his spicular & peh pecs > doice histpul et des un-111 3" He & price peca! pun pcc y TIFIC pr. h - pec 1" 3) (

T= T SCC pr. h DCL1011 (hop) = 15011 T=10366 pone 3' per loce 9.pc 3" PCC 3360 (3) vis, at 1/20 1:5 Hyo' Pribe 3' PCL from top ZJEC hin 110 CL 3500 prohet birtettuy 5000 T= 3366 peer 4'1 pil ? Proberi Dil 13 sec T-131C hery from unet T= 7000 1850 C her, + Grobe 2. DCC probe 3 pcc

T= 1411C prober a classified by folge 3 sec T=12sic Brimling dudles bace (4) - hing 3" PCL 2 111 hytpichsipec 22c T= 10 5 CC hyrpich ofthe 2000 hy former pulcin betin 4' Del 1= 7sic Piltsyx hetten of 3'Del 350c T:63.C Probetissiones in vira De 15 sic 1-1). puhit dusty bree (+) 5 put pur at vinc 20 12'C'Connlist 100CC Mioil Ploil perbe better pel 3" pcL 2" 3 sic T = 2 3 14 Protomorphis

3" DCL higg &pick (7)? 13 JCC public they 2000 T= 3 500 5) un chiseral un folige TE 6 SCC pich of the 3 sec T = 9770 p-11 at cine Zucc T-1000C puchatune 1sec TZ 10,126 photone 1500 1-6000 pull of 2'pcc bec 下= カッノレ 10 326 worm? cn-

THUSCC pergapole donn per 2" 3500 FUL DCL 4" 2505 My in 31 doll 3160 1. 1 P. L. + 1' DCL 301-(6) put et luter ? Jo ter 243 O Franscipt June 18 Critical of use 1 glin vice 3010 Jit ne 2 sic T? 2160 nig village in side 1) il T- 3500

hi, ip is co-T=4164 hus + perce at hory & prete 3. DCL Zoce T-4000 Mich pida de donn g. h + per et wix him por ioun or but we Hadrel - 1 sice Thise hot tpuh Adried liele 6" 2500 F= 2316 his sides gips 4 DCL 3500 pich of 3' PCL from below 3sec · Pulle into in och 2 sec Siderysher 2 12 see Price his ports (himmarista) Ary poole down 120000

TE WINC? pin Mic Bel = 238 1-6. Bal (3) 1. h 4' DOL 1500 TO 9 Chesel a Riestirt DUJALUSTA 25/ T= 2,12 ger into 2" pec pro do 12 3' DCG 2016 par 105" DEL 1586 T-19x6pich 2' DCL 2. sic pul spil Zon ful ten below 3" PCL Isee 丁二 まっぱく A 7 7 0 1 1 + + 6- 1 1 2 C P111 1 5" PCC /1 C

T=16 sic hers down chick 4 per Kingdon chair since T= 13; cc h-5 g. h. idi, ler 4" (1.1/11.1) 3021 J-636pull of 3' acc from below T- 8 366 1.5 from U. c + pf pril (/ou. 1. or, 1 b-1 will unor that ded leave in himh 7=10016 PIL & DCC T- 1-566 ph. 2" DCC 2300

34

7= 3 Jec brichedon 2/01-4) p.h 2 DCC pich 3 pcl = +sec Sm. M Kungery - Titale prol 2 Dec 3150 File pich of book 2000 -T= 4 Jec potec at the g 8 sec runiallelars twos y, it i pie turi T=3, (c 37/40 pich PECC T= Itsic Boul 4 PCL Lice hapoch " Dec 6sic hry 8" Dec = ? hay 1' och 300 hay 1' och 300 T= 2116

pain pec ナコノナンとと pal pel 5 see pirk Dinged 12 lest les Buch pithology of Del (teamit) pul it bul prich pack 41' 3 sec thick pery's like pry flit frutur greatest bes pry 12 to 3 1 Dec - grap h - 1 + - yerbhad lat \$ sin 1= 60016 public 2' pec 2" 7= 1) sec pull PCU 252L Esce pin tilon

5.7 5.7 3.2 3.8 5.7 4.1 _ (o-ntry 689550836622211 577743 563330541222030 332223543 them hi-tub (6 mm sp. cir 33727 3 i In Forch Clan : 11 mm your souther 2 3,000 :100 3 mm10.20 6 Zx. Eva ma U+ 3m. lose h mandy こやこかとかいし

iffy triase pt contined Port of the hold 2' Pur franchon 2500 attente pour formbre 2:11 T= 7 Sic Park 3" PCL for helon? 41 DCL 331C # = 4 .16 1 1 () pich otion 3000 5 prulipu 25 T= SCC pro-1 pro-1+try pproh =17500 301 For hard-pointed trying twis 3 szc proliti pic wic T = 3 364 Polat Lung 3500 p. . 4 8 1 DCC 1 15 C

by a bount top = diasis J=12365 published they buil higtpill it tag and bree heijagil at 3"pec 2000 publish at its. (E) Ctor Notherhold Concer · your T- 3366 pochet Tellon - "lie let" 1000 police to le P(1) 11+++3 Zemberch book sto 7500

7 = 3 xcc two or of per ise T= 731C tropied pier 2ses F-26 かーロナナー per, besel 4" Pec Bon hy unlat) TITI paul at tystip 3 sac T73018 prihitiper hisopoil dun probet - Jora (1) - small T= 3 311 p. 1 per 101 500 p. 1 sec of ty 101 500

J= 7 sec p., L. + ty od (6) 10° PCL 5300 35/40 J' DOCK (E1-1) LET PILL fort donn 7 = 201 6 PIII LY-PR PILL? hy sulvys upolich = 17100 T= 2000 peh J'Dec from top h-5-10 2104 13300 THE PULL PULL TOUTH 10/004 hary down = Blee your + 20000 perfet twindvines 23 cc T=3300 part of vio Bipcins birk

T= 4 JCC gip: at birk (02 Knob) hypuldoun = 255cc hed down treep W. K. V. St By Accord- Epptyle probe Dic Dirol 7=9 366 15/30 hingdom pribe 2' pec 8200 rich-pphe 2'pcc 18000 7=3316 1:30 for 1/2 DCC 5316 7=8310 has down Zone? perso 7= 2360 ACL 3" DCL ISEC T=1016

Prohe per con les Lesty Eppyle 30 1.t Jec 8 p. h. + 500 1000 T= Free pin i' pac Bic Je bole lern + pich 2" pci hys. ways: p. Lit wire both 80 ci T=Ji hey silleys on aire - 300

11 20 Co: 4p. + 1 sor 2 643 boders Arthropus) Visitable instit - 161-1 ,024 (o.4,+10m) = ,2830m)) = ,2830m) 2+ 1.2 cm grancer. ch. Lin 1047 . 050 1040 OF with by hotset letters

Cotrollo (3mg) Ummle they de-1-. 200 300 1200

100 (6)6 50 2000 3 m - 1/2 3+ 100 is the same of the There wite bille - 1/2 70 (343m-30-であった。 7) (00-) inner

O Jan 17, 18+20

Kicping My Jornal - bit their

3 days I worked at the

Wirdsor area - wilking out the

trail post the Cour, on the

18th & 18th I restricted

died lines + 19th 20th I

insolid line lieues.

Jin 17th I was from 7.30-3:20

19th 20th 9:00-3:30

Since I welked more or (1)

1 Jim. 1. 10-ke cut dy 2 4 km or

50. I w. 11 girl a our vice

of bird ib-ndances.

First the marints. Each

dy I saw 8,7,11 WEW respectively.

I saw 15-20 Black and who test

5 Oven birds, 6-8 BTBs, 5-6

Paralas, t 4-5 Redstants

I Jon Cush 50,50 3.9 The most inabout the wormer withers is That I son from betore 11:00 cm I murichly sim more wilky peck this out! this inter actifact of lighting randitions since I'm bigon to puch them on by this "Contact (1) - the this rest-sect-sect they good when thing position. in 10 wy thout topo of the wolmers are solitary - with respect to all other birds why all the Noise when they fly. Als 'ateristry - The Jemuica Blackbird gives similer notes when charges epplyte): The follows girl some royl humbers of guident jurist birds ldig:

- itrit-bellied Lehoo J. millin Bluck 0-2 Retu-s-tailed Fly wheher + relluminance Elucini 6-8 Grater Antillin Pince 15 Lesserheed King Direl Bla Muntun Vires * 5 J. Mitceyed Vireo 20-30 Arrow-heided wyhler Jeruilia Olivie S. H. Tancjer 20 Orersego. + " 20 Buth there birds seem to do a let of dud-lat charactery

11/20te Bon - 1430 - c/c/ Opin Foresz universtorg. 30 3mm from fly 13 16 znahorpid 13 3mm 1. 1. fly 16 in hony to 3 ma your this Jan jan 1316 16 ynahour lb (4m th sp. x1) 10 (Ima 31 - 30. 71h) 5mn himpunt-bounts 30 anniphella Ymn their 36 3mn to 10 2mn hong 1h Brunhorp 14 dinnegennis 3mm 1/1h

77 2mm hun-p 16 J5 (Junhan, 10) Born ty b 3mn gra fly = m.1.2? 30 (2 x 3ma + h - sp. ~ 15) Inah.mplb. (3min the sign of b) 3mn 12 11. 5

· Imm 3rth sports 3 T 3mm himpile y 1 (umn brin spiler 16 40 3nn thing 1b 25 (Junn + hn spick 1/2) 3 m - yeer f) 3/h 875 40 (Smasper 1 b - blett noi 1600

7 × 3 ~ ~ 113" 3, n m th. 20-1 60 8T Ymn waspib Cum This spice 16 (5 F 3) 1500 100 Donn ff 1+ Dim thin sports

Munice Bonits 1:30 1230 (130) סררו fort notion Unnhapt 100. 100 2 x Lm hours 10 70 (7mm the specify 100 (3mn - h- 12. 4 12) 2,000 2x3m. Lhin spw 1/2 (Imn th sor) (3m thosp x13). 100 100 100 Smith. 10.1416) : 50 80 Clean with ringh him It 200 2 mahin- p 20 2 00 100 (2:) an Than 17 or th Min 7.4mh 30 30 1000

CIMM Spice 18 100 3 mm 11 m 12 12 100 1213) 2mahay 16 Unn ger specib 110 (132-100 19.116 710 100 18/2000 2 x 3mn thn spub 1660 180 100 2 ma spiralb (I'm + his sp. w/b) 10 90 2002

Prot. Turn bourbay

23.

32/10,000 35/20,000

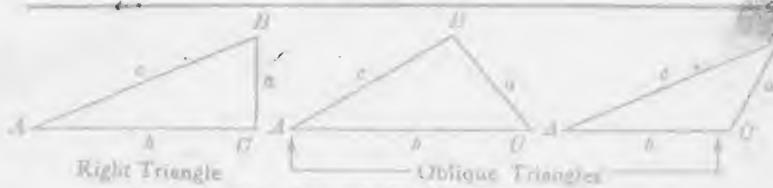
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TRIGONOMETRIC FORMULE



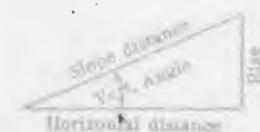
Solution of Right Triangles

For Angle A. $\sin = \frac{a}{a}$, $\cos = \frac{b}{a}$, $\tan = \frac{a}{b}$, $\cot = \frac{b}{a}$, $\sec = \frac{c}{b}$, $\csc = \frac{c}{a}$. Given Required a, b and $a = \frac{a}{b} = \cot B$, $a = \sqrt{a} + b^2 = a \sqrt{1 + \frac{b^2}{a^2}}$. a, c and $a = \frac{a}{b} = \cot B$, $b = \sqrt{(c + a)(c - a)} = c \sqrt{1 - \frac{a^2}{a^2}}$. A, B, b and $A = \frac{a}{a} = \cos B$, $b = \sqrt{(c + a)(c - a)} = c \sqrt{1 - \frac{a^2}{a^2}}$. A, b and B, b, c are $B = 00^{\circ} - A$, $b = a \cot A$, $c = \frac{a}{\sin A}$. A, b and B, a, c are $B = 00^{\circ} - A$, $a = b \tan A$, $c = \frac{b}{\cos A}$. A, b and B, a, c are $B = 00^{\circ} - A$, $a = b \tan A$, $c = \frac{b}{\cos A}$.

Solution of Oblique Triangles

Cives Required
$$A = \frac{a \sin B}{\sin A}$$
, $C = 180^{\circ} - (A + B)$, $a = \frac{a \sin C}{\sin A}$
 $A_1 = a_1 = b$, $A_2 = C$, $a = \frac{a \sin A}{a}$, $C = 180^{\circ} - (A + B)$, $a = \frac{a \sin C}{\sin A}$
 $a_1 = a_2 = C$, $a = \frac{a + b + a}{a}$, $a = \frac{a \sin C}{a + b}$, $a = \frac{a + b + c}{a + b}$, $a = \frac{a + b + c}{a + b}$, $a = \frac{a + b + c}{a + b}$, $a = \frac{a + b + c}{a + b}$, $a = \frac{a + b + c}{a + b}$, $a = \frac{a + b + c}{a + b}$, $a = \frac{a + b + c}{a + b}$, $a = \frac{a + b + c}{a + b}$, $a = \frac{a + b + c}{a + b}$, $a = \frac{a + b + c}{a + b}$, $a = \frac{a + b + c}{a + b}$, $a = \frac{a + b + c}{a + b}$, $a = \frac{a + b + c}{a + b}$, $a = \frac{a + b + c}{a + b}$, $a = \frac{a + b + c}{a + b}$, $a = \frac{a + b + c}{a + b}$, $a = \frac{a + b + c}{a + b}$, $a = \frac{a + b + c}{a + b}$, $a = \frac{a \sin A}{a + b}$, $a = \frac{a \sin$

REDUCTION TO HORIZONTAL



Florizontal distance "Slope distance multiplier by the cosine of the vertical argin. Thus, stope distance 319 at it. Vert. stope 5' 10'. From Table, Page 11. con 6' 10' and the Morizontal distance 119 to 2003 215 00 ft. University distance size Slope distance minus stope.

distance times the cosine of vertical angle). With the same fugures as in the preceding examine, the following result is obtained from a 5 10 - 9850 1- 3050 - 3041.

When the root is known, the horizontal divinues is approximately. The above durance less the aquare of the rise dividual by twice the alone divinue. Thus rise = 14 ft., ifops distance = 30.6 ft. I forizontal divinue = 30.6 ft. = 30.4 ft. = 30.4 ft. = 30.6 ft.

